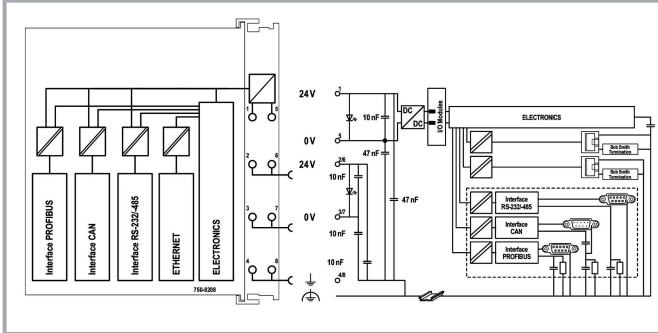
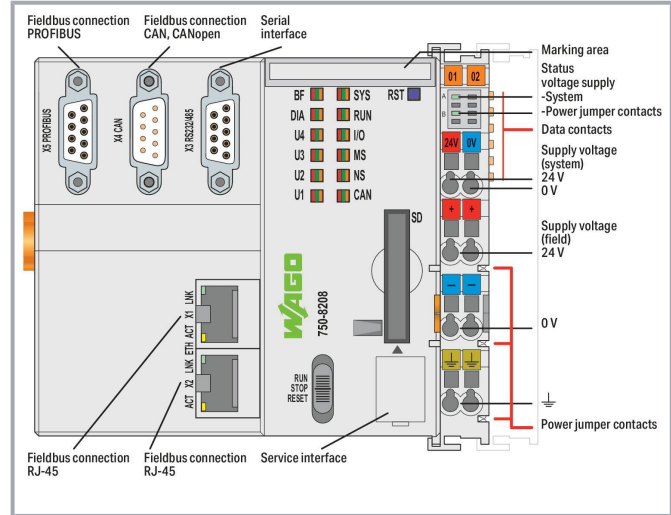


Data sheet | Item number: 750-8208/025-001

Controller PFC200; 2 x ETHERNET, RS-232/-485, CAN, CANopen, PROFIBUS-Master; Telecontrol technology; Ext. Temperature



www.wago.com/750-8208/025-001



Subject to changes. Please also observe the further product documentation!

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PFC200 Communication Options Overview

CPU	On Board											Product extensions	Description	Item No. Standard	Ext. Temperature							
	Modbus (TCP, Modbus/RTU)**	PROFINET	PROFIBUS DP	PROFIBUS DP-AS	RS-485	RS-232C	RS-422	RS-485	RS-232C	RS-422	RS-485	RS-232C				Modbus RTU**	Modbus TCP**	Industrial Ethernet	Industrial Ethernet	Industrial Ethernet	Industrial Ethernet	
Cortex AB; 1 GHz	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	Controller PFC200; 2nd Generation; 4 x ETHERNET	750-8210	750-8210025-000
Cortex AB; 1 GHz	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	Controller PFC200; 2nd Generation; 2 x ETHERNET, 2 x SFP Ports	750-8211	
Cortex AB; 1 GHz	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	Controller PFC200; 2nd Generation; 2 x ETHERNET, RS-232C-485	750-8212	750-8212025-000
Cortex AB; 1 GHz	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	Telecontrol Technology; Telecontrol Technology; EDO		750-8212025-001 750-8212025-002
Cortex AB; 1 GHz	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	IBADiNet/IP	750-8212	750-8212000-100
Cortex AB; 1 GHz	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	Controller PFC200; 2nd Generation; 2 x ETHERNET, CAN, CANopen	750-8213	
Cortex AB; 1 GHz	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	Controller PFC200; 2nd Generation; 2 x ETHERNET, RS-232C-485, CAN, CANopen	750-8214	
Cortex AB; 1 GHz	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	Controller PFC200; 2nd Generation; 4 x ETHERNET, CAN, CANopen, USB	750-8215	
Cortex AB; 1 GHz	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	Controller PFC200; 2nd Generation; 2 x ETHERNET, RS-232C-485, CAN, CANopen, PROFIBUS Slave	750-8216	750-8216025-000
Cortex AB; 1 GHz	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	Telecontrol Technology		750-8216025-001
Cortex AB; 1 GHz	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	Controller PFC200; 2nd Generation; 2 x ETHERNET, RS-232C-485, Mobile Radio Module; EU version	750-8217	750-8217025-000
Cortex AB; 1 GHz	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	Global version	750-8217	750-8217000-000
Cortex AB; 600 MHz	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	Controller PFC200; 2 x ETHERNET, RS-232C-485, CAN, CANopen, PROFIBUS Master	750-8208	750-8208025-000
	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	M/S	Telecontrol Technology		750-8208025-001

M: Master, S: Slave; **requires an additional license; *in preparation; ***WagoAppPfcModbus Library

Item description

The PFC200 Controller is a compact PLC for the modular WAGO I/O System. Besides network and fieldbus interfaces, the controller supports all digital, analog and specialty modules found within the 750/753 Series.

Two ETHERNET interfaces and an integrated switch enable line topology wiring.

An integrated Webserver provides user configuration options, while displaying PFC200 status information.

Besides the processing industry and building automation, typical applications for the PFC200 include standard machinery and equipment control (e. g., packaging, bottling and manufacturing systems, as well as textile, metal and wood processing machines).

Programming per IEC 61131-3

- Programmable via WAGO-I/O-PRO V2.3
- Direct connection of WAGO's I/O modules
- 2 x ETHERNET (configurable), RS-232/485, CAN, CANopen, PROFIBUS DP Master
- Linux operating system with RT-Preempt patch

Subject to changes. Please also observe the further product documentation!



- Configuration via CODESYS or Web-Based Management interface
- Maintenance-free

Data

Technical data

Communication	PROFIBUS DP master CANopen Modbus (TCP, UDP) ETHERNET Modbus® RTU RS-232 serial interface RS-485 interface MQTT Telecontrol protocols
ETHERNET protocols	DHCP DNS NTP FTP FTPS SNMP HTTP HTTPS SSH
Telecontrol protocols	IEC 60870 IEC 61850 DNP3 IEC 60870-5-101/-103/-104 IEC 61400-25 IEC 61850-7 DNP3
Visualization	Web-Visu Web Visu
Operating system	Real-time Linux (with RT-Preempt patch)
CPU	Cortex A8; 600 MHz
Programming languages per IEC 61131-3	Instruction List (IL) Ladder Diagram (LD) Function Block Diagram (FBD) Continuous Function Chart (CFC) Structured Text (ST) Sequential Function Chart (SFC)
Programming environment	WAGO-I/O-PRO V2.3 (based on CODESYS V2.3)
Configuration options	WAGO-I/O-CHECK Web-Based Management
Baud rate (communication/fieldbus 1)	10/100 Mbit/s

Subject to changes. Please also observe the further product documentation!



Baud rate	ETHERNET: 10/100 Mbit/s
Transmission medium (communication/fieldbus)	ETHERNET: Twisted Pair S-UTP; 100 Ω; Cat. 5; 100 m maximum cable length
Main memory (RAM)	256 MB
Internal memory (flash)	256 MB
Non-volatile hardware memory	128 Kbytes
Program memory	16 MB
Data memory	64 MB
Non-volatile software memory	128 Kbytes
Type of memory card	SD and SDHC up to 32 GB (all guaranteed properties only valid with WAGO 758-879/000-001 Memory Card)
Memory card slot	Push-push mechanism; Cover lid (sealable)
Number of modules per node (max.)	250
Number of modules without a bus extension (max.)	64
Input and output process image (internal) max.	1000 words/1000 words
Input and output process image (Modbus®) max.	CODESYS V2: 1000 words/1000 words
Input and output process image (PROFIBUS) max.	5000 bytes/5000 bytes
Input and output process image (CAN) max.	2000 words/2000 words
Indicators	LED (SYS, RUN, I/O, CAN, BF, DIA, U1 ... U4) red/green/orange: Status system, program, internal data bus, CANopen, PROFIBUS, PROFIBUS diagnostics, status programmable by user (can be used via CODESYS library); LED (A, B) green: System power supply status, field supply
Supply voltage (system)	24 VDC (-25 ... +30 %); via pluggable connector (CAGE CLAMP® connection)
Input current (typ.) at nominal load (24 V)	670 mA
Total current (system supply)	1,700 mA
Supply voltage (field)	24 VDC (-25 ... +30 %); via power jumper contacts
Current carrying capacity (power jumper contacts)	10 A
Number of outgoing power jumper contacts	3
Isolation	500 V system/field

Connection data

Connection technology: communication/fieldbus	PROFIBUS: 1 x D-sub 9 socket; CANopen: 1 x D-sub 9 plug; Modbus (TCP, UDP): 2 x RJ-45; Modbus® RTU: 1 x D-sub 9 socket; RS-232 serial interface: 1 x D-sub 9 socket; RS-485 interface: 1 x D-sub 9 socket; Telecontrol protocol IEC 60870-5-101/-103: 1 x D-sub 9 socket; Telecontrol protocol IEC 60870-5-104: 1 x RJ-45; Telecontrol protocol IEC 61850: 1 x RJ-45; Telecontrol protocol DNP3: 1 x RJ-45 or D-sub 9 socket
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Subject to changes. Please also observe the further product documentation!



Connection technology: system supply	2 x CAGE CLAMP®
Connection technology: field supply	6 x CAGE CLAMP®
Connection type 1	System/field supply
Solid conductor	0.08 ... 2.5 mm ² / 28 ... 14 AWG
Fine-stranded conductor	0.08 ... 2.5 mm ² / 28 ... 14 AWG
Strip length	8 ... 9 mm / 0.31 ... 0.35 inches
Connection technology: device configuration	1 x Male connector; 4-pole

Physical data

Width	112 mm / 4.409 inches
Height	100 mm / 3.937 inches
Depth	71.9 mm / 2.831 inches
Depth from upper-edge of DIN-rail	64.7 mm / 2.547 inches

Mechanical Data

Weight	263.7 g
Housing material	Polycarbonate; polyamide 6.6
Conformity marking	CE

Environmental requirements

Ambient temperature (operation)	-20 ... +60 °C
Ambient temperature (storage)	-40 ... +85 °C
Protection type	IP20
Pollution degree	2 per IEC 61131-2
Operating altitude	without temperature derating: 0 ... 2000 m; with temperature derating: 2000 ... 5000 m (0.5 K/100 m); 5000 m (max.)
Relative humidity (without condensation)	95 %
Relative humidity (with condensation)	Short-term condensation per Class 3K6/IEC EN 60721-3-3 and E-DIN 40046-721-3, accounting for a temperature range of -20 to +60 °C (except for wind-driven precipitation, water and ice formation)
Mounting position	any
Mounting type	DIN-35 rail
Vibration resistance	per IEC 60068-2-6
Shock resistance	15g per IEC 60068-2-27
EMC immunity to interference	per EN 61000-6-2, marine applications
EMC emission of interference	per EN 61000-6-3, marine applications
Exposure to pollutants	Per IEC 60068-2-42 and IEC 60068-2-43

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Fire load	2.909 MJ
Permissible H ₂ S contaminant concentration at a relative humidity 75 %	10 ppm
Permissible SO ₂ contaminant concentration at a relative humidity 75 %	25 ppm

Commercial data





eCl@ss 10.0	27-24-26-07
eCl@ss 9.0	27-24-26-07
ETIM 8.0	EC000236
ETIM 7.0	EC000236
PU (SPU)	1 pcs
Packaging type	box
Country of origin	DE
GTIN	4055143624862
Customs tariff number	85371091990

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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Approvals / Certificates

General approvals


Logo	Approval	Additional Approval Text	Certificate name
	CCC CNEX	CNCA-C23-01	2020312310000213 (Ex ec IIC T4 Gc)
	EAC Brjansker Zertifizierungsstelle	TP TC 020/2011	EAC RU C-DE.AM02. B.00087/19
	KC National Radio Research Agency	Article 58-2, Clause 3	MSIP-REM-W43- PFC750
	UL Underwriters Laboratories Inc. (ORDINARY LOCATIONS)	UL 61010-2-201	E175199
	UL Underwriters Laboratories Inc. (ORDINARY LOCATIONS)	-	E175199

Subject to changes. Please also observe the further product documentation!








LOCATIONS)

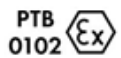
Declarations of conformity and manufacturer's declarations

Logo	Approval	Additional Approval Text	Certificate name
	EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Approvals for marine applications

Logo	Approval	Additional Approval Text	Certificate name
	ABS American Bureau of Shipping	-	22-2227356-PDA
	BSH Bundesamt fuer Seeschifffahrt und Hydrographie	-	1104
	DNV DNV Germany GmbH	DNV-CG-0339, Aug. 2021	TAA00001J4
	LR Lloyds Register	-	LR22194334TA
	PRS Polski Rejestr Statków	-	TE/2237 /880590/19







Approvals for hazardous areas

Logo	Approval	Additional Approval Text	Certificate name
	ATEX TUEV Nord Cert GmbH	EN 60079-0	TUEV_14_ATEX_148929_X (II 3 G Ex ec IIC T4 Gc)
	CCC	CNCA-C23-01	2020312310000213 (Ex ec IIC

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	CNEX		T4 Gc)
	EAC Brjansker Zertifizierungsstelle	TP TC 012/2011	EAC RU C-DE.AM02.B.00163 /19 (2Ex e IIC T4 Gc X)
	IECEX TUEV Nord Cert GmbH	IEC 60079-0	IECEX TUN 14.0035 X (Ex ec IIC T4 Gc)
	INMETRO TÜV Rheinland do Brasil Ltda.	IEC 60079-0	BR-Ex_TÜV 12.1297 X
	UKEx WAGO GmbH & Co. KG	EN 60079-0	UKCA_WAGO22UKEX003X_ec
	UL Underwriters Laboratories Inc. (HAZARDOUS LOCATIONS)	UL 121201	E198726 Sec.1

Optional accessories

Marking accessories

Marker carrier		
	Item no.: 750-103 Group marker carrier	www.wago.com/750-103
Marker		
	Item no.: 2009-145/000-006 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; blue	www.wago.com/2009-145/000-006
	Item no.: 2009-145 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white	www.wago.com/2009-145
	Item no.: 2009-145/000-002 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; yellow	www.wago.com/2009-145/000-002

Subject to changes. Please also observe the further product documentation!

	Item no.: 2009-145/000-007 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; gray	www.wago.com/2009-145/000-007
	Item no.: 2009-145/000-005 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; red	www.wago.com/2009-145/000-005
	Item no.: 2009-145/000-012 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; orange	www.wago.com/2009-145/000-012
	Item no.: 2009-145/000-023 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green	www.wago.com/2009-145/000-023
	Item no.: 2009-145/000-024 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet	www.wago.com/2009-145/000-024
	Item no.: 248-501/000-006 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; blue	www.wago.com/248-501/000-006
	Item no.: 248-501/000-007 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; gray	www.wago.com/248-501/000-007
	Item no.: 248-501/000-002 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; yellow	www.wago.com/248-501/000-002
	Item no.: 248-501/000-012 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; orange	www.wago.com/248-501/000-012
	Item no.: 248-501 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white	www.wago.com/248-501
	Item no.: 248-501/000-017 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; light green	www.wago.com/248-501/000-017
	Item no.: 248-501/000-005 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; red	www.wago.com/248-501/000-005

Subject to changes. Please also observe the further product documentation!



Item no.: 248-501/000-024
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; violet

www.wago.com/248-501/000-024



Item no.: 248-501/000-023
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; green

www.wago.com/248-501/000-023

Group marker carrier



Item no.: 750-107
Group marker carrier

www.wago.com/750-107

Memory card

Memory card



Item no.: 758-879/000-001
Memory Card SD; SLC-NAND; 2 GByte; Temperature from -40 to 90 °C

www.wago.com/758-879/000-001



Item no.: 758-879/000-2108
Memory Card SD; pSLC-NAND; 8 GB; Temperature range: -40 to 90°C

www.wago.com/758-879/000-2108

Software

Basic version



Item no.: 759-333
WAGO-I/O-PRO

www.wago.com/759-333



Item no.: 759-333/000-923
WAGO-I/O-PRO; USB-Set

www.wago.com/759-333/000-923

Shield termination

Shield clamping saddles



Item no.: 790-116
Shield clamping saddle; 19 mm wide; diameter of compatible conductor; 7 ... 16 mm

www.wago.com/790-116



Item no.: 790-124
Shield clamping saddle; 27 mm wide; diameter of compatible conductor; 6 ... 24 mm

www.wago.com/790-124



Item no.: 790-108
Shield clamping saddle; 11 mm wide; diameter of compatible conductor; 3 ... 8 mm

www.wago.com/790-108



Item no.: 790-140
Shield clamping saddle; diameter of compatible conductor

www.wago.com/790-140



Item no.: 790-216
Shield clamping saddle; 21.8 mm wide; 6 ... 16 mm

www.wago.com/790-216



Subject to changes. Please also observe the further product documentation!

Item no.: 790-220

Shield clamping saddle; 30 mm wide; 6 ... 20 mm

www.wago.com/790-220

Item no.: 790-208

Shield clamping saddle; 12.4 mm wide; 3 ... 8 mm

www.wago.com/790-208

Cables and pluggable connectors

Connector plug



Item no.: 750-963

Fieldbus Connector CANopen; with D-sub female connector; 9-pole

www.wago.com/750-963



Item no.: 750-960

Fieldbus Connector PROFIBUS; with D-sub male connector; 9-pole

www.wago.com/750-960



Item no.: 750-975

ETHERNET RJ-45 connector, IP20; ETHERNET 10/100 Mbit/s; for field assembly

www.wago.com/750-975



Item no.: 750-978/000-012

Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 22; Strain relief

www.wago.com/750-978/000-012



Item no.: 750-979/000-012

Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568B; AWG 22; Strain relief

www.wago.com/750-979/000-012



Item no.: 750-978/000-021

Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 24; Strain relief

www.wago.com/750-978/000-021



Item no.: 750-979/000-022

Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568B; AWG 24; Strain relief

www.wago.com/750-979/000-022



Item no.: 750-978/000-022

Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 24; Strain relief

www.wago.com/750-978/000-022



Item no.: 750-979/000-011

Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568A; AWG 22; Strain relief

www.wago.com/750-979/000-011



Item no.: 750-979/000-021

Connector ETHERNET; RJ-45; Cat. 6A; angled; Code T568A; AWG 24; Strain relief

www.wago.com/750-979/000-021



Item no.: 750-977/000-011

Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 22

www.wago.com/750-977/000-011



Item no.: 750-978/000-011

Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 22; Strain relief

www.wago.com/750-978/000-011

Subject to changes. Please also observe the further product documentation!

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	Item no.: 750-977/000-022 Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 24	www.wago.com/750-977/000-022
	Item no.: 750-977/000-012 Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568B; AWG 22	www.wago.com/750-977/000-012
	Item no.: 750-977/000-021 Connector ETHERNET; RJ-45; Cat. 6A; straight; Code T568A; AWG 24	www.wago.com/750-977/000-021
Carrier rail		
Mounting accessories		
	Item no.: 210-197 Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; similar to EN 60715; silver-colored	www.wago.com/210-197
	Item no.: 210-198 Copper carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; copper-colored	www.wago.com/210-198
	Item no.: 210-504 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; galvanized; according to EN 60715; silver-colored	www.wago.com/210-504
	Item no.: 210-505 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; galvanized; according to EN 60715; silver-colored	www.wago.com/210-505
	Item no.: 210-506 Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; galvanized; similar to EN 60715; silver-colored	www.wago.com/210-506
	Item no.: 210-508 Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; galvanized; similar to EN 60715; silver-colored	www.wago.com/210-508
	Item no.: 210-113 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored	www.wago.com/210-113
	Item no.: 210-118 Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored	www.wago.com/210-118
	Item no.: 210-112 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 25 mm; silver-colored	www.wago.com/210-112
	Item no.: 210-114 Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored	www.wago.com/210-114
	Item no.: 210-115 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 18 mm; silver-colored	www.wago.com/210-115

Subject to changes. Please also observe the further product documentation!

**Item no.: 210-196**Aluminum carrier rail; 35 x 8.2 mm; 1.6 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored www.wago.com/210-196

Communication

Communication cable

**Item no.: 750-923**

Configuration cable; USB connector; Length: 2.5 m

www.wago.com/750-923**Item no.: 750-923/000-001**

Configuration cable; USB connector; Length: 5 m

www.wago.com/750-923/000-001

System housing

System enclosure

**Item no.: 850-814/002-000**

IP65 enclosure; Sheet steel (RAL 7035); WxHxD (200x120x200 mm); without flange plate

www.wago.com/850-814/002-000**Item no.: 850-815/002-000**

IP65 enclosure; Sheet steel (RAL 7035); WxHxD (300x120x200 mm); without flange plate

www.wago.com/850-815/002-000**Item no.: 850-816/002-000**

IP65 enclosure; Sheet steel (RAL 7035); WxHxD (400x120x200 mm); without flange plate

www.wago.com/850-816/002-000**Item no.: 850-817/002-000**

IP65 enclosure; Sheet steel (RAL 7035); WxHxD (600x120x200 mm); without flange plate

www.wago.com/850-817/002-000**Item no.: 850-825**

IP65 enclosure; Aluminium (RAL 7032); WxHxD (160x100x160 mm); 9 x M12, 4 x M20

www.wago.com/850-825**Item no.: 850-826**

IP65 enclosure; Aluminium (RAL 7032); WxHxD (240x100x160 mm); 4 x M20, 4 x M16, 14 x M12 cable grip

www.wago.com/850-826**Item no.: 850-827**

IP65 enclosure; Aluminium (RAL 7032); WxHxD (320x100x160 mm); 4 x M20, 8 x M16, 17 x M12 cable grip

www.wago.com/850-827**Item no.: 850-827/002-000**

IP65 enclosure; Aluminium (RAL 7035); WxHxD (320x100x160 mm); 4 x M20, 8 x M16, 17 x M12 cable grip

www.wago.com/850-827/002-000**Item no.: 850-826/002-000**

IP65 enclosure; Aluminium (RAL 7035); WxHxD (240x100x160 mm); 4 x M20, 4 x M16, 14 x M12 cable grip

www.wago.com/850-826/002-000**Item no.: 850-828/002-000**

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IP65 enclosure; Aluminium (RAL 7035); WxHxD (480x100x160 mm); 4 x M20, 10 x M16, 35 x M12 cable grip

www.wago.com/850-828/002-000



Item no.: 850-828

IP65 enclosure; Aluminium (RAL 7032); WxHxD (480x100x160 mm); 4 x M20, 10 x M16, 35 x M12 cable grip

www.wago.com/850-828



Item no.: 850-834

IP65 enclosure; Polyester (RAL 7032); WxHxD (164x100x164 mm); 9 x M12, 4 x M20

www.wago.com/850-834



Item no.: 850-835

IP65 enclosure; Polyester (RAL 7032); WxHxD (244x100x164 mm); 4 x M20, 4 x M16, 14 x M12 cable grip

www.wago.com/850-835



Item no.: 850-836

IP65 enclosure; Polyester (RAL 7032); WxHxD (324x100x164 mm); 4 x M20, 8 x M16, 17 x M12 cable grip

www.wago.com/850-836

Downloads

Documentation

Manual

System Manual WAGO I/O System 750/753 Decentralized Automation Technology	V 3.3.0 2023 May 4	pdf 8.8 MB	Download
PFC200 CS 2ETH RS CAN DPM Controller PFC200; 2 x ETHERNET, RS-232/-485, CAN, CANopen, PROFIBUS-Master	1.11.0 2022 Aug 29	pdf 9.2 MB	Download
Cyber Security for Controller PFC100 / PFC200	V 1.0.0 2019 Oct 31	pdf 4.9 MB	Download
Product Manual WAGO IEC 61850 Solution for programmable Controls of Telecontrol Technology	V 1.8.0	pdf 19.7 MB	Download
Product Manual WAGO DNP3 Solution for programmable Controls of Telecontrol Technology	V 1.5.1	pdf 5.2 MB	Download
Product Manual WAGO MODBUS Master Configurator for configuration of MODBUS networks in WAGO-I/O-PRO (CODESYS)	V 1.1.0	pdf 1.8 MB	Download
Product Manual WAGO IEC 60870 Solution for programmable Controls of Telecontrol Technology	V 1.8.0	pdf 6.0 MB	Download
System Manual Series 750/753 Online HTML		URL	Download

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Bid Text

750-8208/025-001 X81 - Datei	2019 Feb 19	xml 8.2 kB	Download
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750-8208/025-001 docx - Datei	2019 Jan 23	docx 21.0 kB	Download
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Instruction Leaflet

CCC Ex (Additional information) WAGO-I/O-SYSTEM *750-****/*	2023 Apr 26	pdf 163.6 kB	Download
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Tutorial

Set IP address with Ethernet Settings In this video we are demonstrating how you can set a IP address with Ethernet Settings. Content: 00:27 – Chapter #1 Download and install software; 00:56 – Chapter #2 Open Ethernet Settings; 01:10 – Chapter #3 Establish serial Connection; 01:34 – Chapter #4 Set IP address; 02:10 – Chapter #5 Check IP address	3.0 2017 Dec 18	mp4 88.3 MB	Download
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Establish connection to a controller using SSH In this video we are demonstrating how to establish a SSH connection with a controller using for example PuTTY to be able to work with the LINUX console. Contents: 0:21 Download and install the SSH client; 0:40 Establish the SSH connection; 0:50 Log on to the Controller	1.0 2017 Aug 5	mp4 29.0 MB	Download
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WAGO IEC 61850 solution (Transformer)	1.0 2012 Jun 1	wmv 20.0 MB	Download
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Tutorial WAGO IEC 61850 / 61400 solution	1.0 2012 Jun 1	wmv 45.4 MB	Download
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WAGO IEC 61400-25 solution (Windmill)	1.0 2012 Jun 1	wmv 20.4 MB	Download
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System Description

Overview on WAGO-I/O-SYSTEM 750 approvals		pdf 789.0 kB	Download
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Controller PFC100/200, General Product Information		pdf 592.5 kB	Download
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Additional Information

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Disposal and Recycling Electrical and electronic equipment, Batteries, Packaging	V 1.1.0 2022 Aug 18	pdf 2.2 MB	Download
WAGO OPC UA Server	V 1.1.0 2021 Jan 28	pdf 1.2 MB	Download

Application Notes

Application Note e!COCKPIT

e!COCKPIT application note WagoAppCloud This application note explains how the WAGO controllers PFC100 and PFC200 can communicate with cloud services like Microsoft Azure (WAGO Cloud), Amazon AWS and IBM Bluemix. Data could be send to the cloud and commands could receive from the cloud. The library WagoAppCloud for e!COCKPIT is used.	2022-11-04 2022 Nov 4	zip 2.7 MB	Download
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SNMP Communication (a500850) This application note explains how the WAGO controllers PFC100 and PFC200 can communicate via SNMP: Sending traps / inform notifications, creating an MIB and using the controller as an SNMP agent. To do so, the SNMP-specific libraries for WAGO-I/O-PRO V2.3 and e!COCKPIT are used.	1.1.0 2020 Feb 20	zip 3.8 MB	Download
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eCOCKPIT application note installation MySQL-Server This Application Note explains how a MySQL-Server can be set up and used on a PFC 200. The Application shows how measurement values of the 3-Phase Power Measurement Module can be written into a database.	1.0.3 2019 Sep 9	pdf 1.9 MB	Download
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HART Tool Routing via ETHERNET with 750-820x and e!RUNTIME (a116130) This application note describes how to set up asset management systems, which facilitate simple, efficient configuration of HART field devices. With the Cerabar PMC51 (Endress+Hauser) as an example, a connection is established from any HART sensor to a WAGO PROFIBUS Controller and a WAGO ETHERNET fieldbus coupler. The configuration is made with the asset management software WAGOframe, PACTware und FieldCare.	1.0.0 2019 Mar 22	pdf 2.9 MB	Download
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Application Note CoDeSys 2.3

Application note Cloud Connectivity This application note explains how the WAGO controllers PFC100 and PFC200 can communicate with cloud services like Microsoft Azure (WAGO Cloud), Amazon AWS and IBM Bluemix. Data could be send to the cloud and commands could receive from the cloud. The libraries WagoLibCloud for WAGO-I/O-PRO V2.3 and WagoAppCloud for e!COCKPIT are used.	2019-09-17 2019 Sep 17	zip 4.1 MB	Download
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Application note for installing a MySQL-Server on a PFC-Controller	1.0.4	zip	Download
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This Application Note explains how a MySQL-Server can be set up and used on a PFC 200. The Application shows how measurement values of the 3-Phase Power Measurement Module can be written into a database.

2019 May 16

4.5 MB

HART Tool Routing via ETHERNET with 750-820x/750-88x and CODESYS 2.3 (a116120)

1.0.0
2019 Mar 22pdf
3.9 MB

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This application note describes how to set up asset management systems, which facilitate simple, efficient configuration of HART field devices. With the Cerabar PMC51 (Endress+Hauser) as an example, a connection is established from any HART sensor to a WAGO PROFIBUS Controller and a WAGO ETHERNET Fieldbus Coupler. The configuration is made with the asset management software WAGOframe, PACTware und FieldCare.

HART Tool Routing via PROFIBUS with 750-833 and 750-333 (a116140)

1.0.0
2019 Mar 22pdf
5.3 MB

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This application note describes how to set up asset management systems, which facilitate simple, efficient configuration of HART field devices. Using the Cerabar PMC51 (Endress+Hauser) as an example, connecting any HART sensor to a WAGO PROFIBUS controller and a WAGO PROFIBUS Coupler is explained. The cyclic PROFIBUS Master (750-8208) realizes the data exchange. As an acyclic master, a TH LINK PROFIBUS provides access for the plant asset management applications WAGOframe, PACTware and FieldCare.

Using the web visualization with Java™ runtime environment (JRE, JVM) 7 update 51 (7u51) (a500690)

1.2.4
2019 Feb 26zip
5.0 MB

Download

Oracle announced an update (7u51) for their Java™ runtime environment for the 14th of January 2014 which might have an impact on the use of the WAGO web visualization with Controller, PERSPECTO CP devices and WAGO-IO-IPCs. For more details please have a look into our application note.

Libraries

WAGOAppRTU_Slaves Library

WAGOAppRTU_Slaves Library

1.9.0.0
2023 Jan 18ZIP
2.1 MB

Download

Library for the IEC-60870 connection of customer systems in the German electricity network area of the network operators E.ON, Westnetz, EWE and Netz BW; the number and power of the generating plants (EZA) is increasing. In order to ensure network stability, distribution system operators require that customer facilities become controllable and switchable. This means considerable programming effort for corresponding interfaces in the network connection point (NAP). For system integrators who use WAGO telecontrol technology, however, this work is not necessary, because with the library WAGOAppRTU_Slaves they can use ready-made communication libraries - as a free download for the network areas of the E.ON and EWE, networks BW and for Westnetz.

Library

Library WagoLibCloud_02.lib

2.2.4
2020 Jan 21zip
57.6 kB

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Die Bibliothek dient zur Kommunikation des WAGO Controller PFC100 und PFC200 mit Cloud Diensten wie Microsoft Azure (WAGO Cloud), Amazon AWS and IBM

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Bluemix. Daten können zur Cloud gesendet und Kommandos von der Cloud empfangen werden.

Engineering-Software

Configuration and Commissioning Software

WAGO-IO-PRO Demo-Version (759-912) / Serie 750, 758 und 762 Für ein Firmwareupdate können Sie sich jederzeit an den Support wenden.	V 2.3.9.68 2022 Feb 17	zip 125.5 MB	Download
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Desktop Application

WAGOupload WAGOupload is a stand-alone PC software for transferring, backing up and restoring PLC applications on WAGO 750 Series controllers.		URL	Download
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Runtime Software

Firmware

Image Update (SD Karte) PFC100/200 WAGO_FW0750-8xxx_V031010_IX22_SP1_I	V 22 SP1 2022 Dec 12	zip 210.8 MB	Download
WUP Update (WAGOuploadTool) PFC100/200 WAGO_FW0750-8xxx_V031010_IX22_SP1_W	V 22 SP1 2022 Dec 12	zip 208.5 MB	Download

CAD/CAE-Data

CAD data

2D/3D Models 750-8208/025-001		URL	Download
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CAE data

EPLAN Data Portal 750-8208/025-001		URL	Download
ZUKEN Portal 750-8208/025-001		URL	Download
EPLAN Data Portal 750-8208/025-001		URL	Download

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Device Files

Device Description File

750-914; EDS file for CANopen / 750, 752 and 767 Series	XT 2021 Mar 12	zip 1.8 MB	Download
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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 750-8208/025-001 Controller PFC200; 2 x ETHERNET, RS-232/-485, CAN, CANopen, PROFIBUS-Master; Telecontrol technology; Ext. Temperature	URL	Download
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Installation Notes

Product family

Controller 750
[Show all products from the family](#)

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